

P R O C E E D I N G S
OF THE
A M E R I C A N P H I L O S O P H I C A L S O C I E T Y .

VOL. V. OCTOBER, 1849—MARCH, 1850. No. 44.

Stated Meeting, October 5.

Present, fourteen members.

DR. FRANKLIN BACHE, Vice-President, in the Chair.

A letter was read:—

From the Imperial Society of Naturalists of Moscow, dated Moscow, 3d May, 1849, announcing the transmission of a donation to the Society.

The following donations were announced:—

FOR THE LIBRARY.

Kongl. Vetenskaps-Akademiens Handlingar, för år 1846. Stockholm. 8vo.—*From the Royal Academy of Sciences, Stockholm.*
Årsberättelse om Zoologiens Framsteg under åren 1843, 1844, 1845, 1846; till Kongl. Vetenskaps-Akademiens; afgifven af Zoologiæ Intendenterna, &c. Vols. III. and IV. Stockholm, 1847–8. 8vo.
From the same.

Årsberättelse om Framstegen i Kemi och Mineralogi, afgifven den 31 Mars, 1847. Af Jac. Berzelius. Stockholm, 1848. 8vo.—
From the same.

Ofversigt af Kongl. Vetenskaps-Akademiens Förhandlingar. 1847. Nos. 7, 8, 9; and 1848: Nos. 1, 2, 3, 5, 6. Stockholm. 8vo.
From the same.

Index Molluscorum litora Scandinaviæ Occidentalia habitantium. Faunæ Prodromum offert S. Lovén. Stockholm, 1846. 8vo.—
From the Author.

Annales des Mines. Tome IX. X. 1846; XI. XII. 1847; XIII. XIV. 1848. Paris. 8vo.—*From the Chief Engineer of the Ecole des Mines.*

- Journal Asiatique. Quatrième Série. Tome XIII. Nos. 61 to 64, inclusive. January to May, 1849. Paris. 8vo.—*From the Asiatic Society of Paris.*
- Bulletin de la Société de Géographie. Troisième Série. Tome X. Paris, 1849. 8vo.—*From the Geographical Society of Paris.*
- Compte Rendu de la Société Géologique de France. Réunion extraordinaire à Epinal. Sept. 1847. 8vo.—*From the Geological Society of Paris.*
- Mémoire sur la Protogine des Alpes. Par M. A. Delesse. 1849. 8vo.—*From the Author.*
- Sur le Pouvoir Magnétique des Minéraux et des Roches. Par M. A. Delesse, Ingénieur des Mines. 8vo.—*From the same.*
- Bulletin de la Société Impériale des Naturalistes de Moscou. Nos. 3 & 4, 1848. No. 1. 1849. 8vo.—*From the Imperial Society of Naturalists of Moscow.*
- Journal of the Royal Geographical Society of London. Vol. XIX. Part 1. London, 1849.—*From the Society.*
- Report of the Eighteenth Meeting of the British Association for the Advancement of Science, held at Swansea, in August, 1848. London. 8vo.—*From the Association.*
- Annals and Magazine of Natural History, including Zoology, Botany, and Geology. Second Series. Vol. IV. No. 20. Aug. 1849. London. 8vo.—*From Sir William Jardine, Baronet.*
- The American Journal of Science and Arts. Second Series. Vol. VIII. No. 23. Sept. 1849. New Haven. 8vo.—*From the Editors.*

The Committee to whom had been referred at the last meeting, Mr. Kahler's communication on the origin of the Planetary motions, reported that they deemed it in its present state unsuited for publication in the Transactions of the Society, and recommended that it be held subject to the disposal of the author.

The recommendation was adopted, and the Committee discharged.

Professor Frazer exhibited two diamonds from the gold region of Georgia. They are well crystallized, not of very fine water, and weigh about one and a half carats each. The gentleman from whom they came states, that he believes that others may be obtained from the same locality.

Dr. MacEuen exhibited a specimen, said to be pure zinc, ob-

tained by distillation in close vessels, from the red oxide of zinc found in the northern part of New Jersey.

These communications gave rise to a discussion, in which Messrs. Trego, Fraley, Justice and Frazer took part.

Pending nominations, from Nos. 226 to 231, inclusive, were read.

Stated Meeting, October 19.

Present, twenty-two members.

Dr. PATTERSON, President, in the Chair.

A letter was read:—

From the Royal Institution of London, dated Albemarle street, 31st August, 1849, acknowledging the receipt of Nos. 1, 2, 4, 8, 27, and 42, of the Proceedings of this Society.

Also, a printed circular from a Committee of the American Association for the Advancement of Science, dated 1st October, 1849, in relation to the establishment and publication of an Astronomical Journal in this country.

The following donations were announced:—

FOR THE LIBRARY.

Journal of the Royal Asiatic Society of Great Britain and Ireland.

Vol. XI. Part 1, and Vol. XII. Part 1. London, 1849. 8vo.—

From the Society.

Quarterly Journal of the Geological Society of London. No. 19.

Aug. 1, 1849. London. 8vo.—*From the Society.*

Annals and Magazine of Natural History, including Zoology, Botany, and Geology. Vol. IV. No. 21. Sept. 1849. London. 8vo.—

From Sir William Jardine.

Proceedings of the New Jersey Historical Society. Vol. IV. No. 2.

Newark, 1849. 8vo.—*From the Society.*

The American Journal of the Medical Sciences. Edited by Isaac

Hays, M.D. No. 36. New Series. Oct. 1849. Philadelphia.

8vo.—*From Dr. Hays.*

The Medical News and Library. Vol. VII. No. 82. Oct. 1849.

Philadelphia. 8vo.—*From Lea & Blanchard.*

The Swedish Church in America. A Discourse delivered before the